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Amine dinonylnaphthalene sulfonates with corrosion inhibiting properties.

© Compositions comprising amine salts of alkylaromatic sulfonic acids, alone, or with a synergist, provide excellent corrosion inhibition and other significant characteristics such as demulsibility, and are useful in applications where it is desirable to limit ash formation.



PARTIAL EUROPEAN SEARCH REPORT

which under Rule 45 of the European Patent Convention shall be considered, for the purposes of subsequent proceedings, as the European search report

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89 20 0438

Application number

DOCUMENTS CONSIDERED TO BE RELEVANT						
Category	Citation of document with indication, where appropriate of relevant passages			Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl 4)	
Х	CHEMICAL ABSTRACT October 8, 1974, 81366e; Columbus, & JP-A-72 20 221 08-06-1972 * Abstract *	page 170, r Ohio, US	ef.no.	,2,4	C 10 I	M 135/10 M 141/08// M 141/08 133:04 133:06
x	us-A-4 182 765 (Y	. OSAGI et			C 10 1	135:10) N 30:12
	* Abstract; colum line 56 - colum experiment 5; t 6,10,11 *	nn 2, line 5	8;	,2		
x	US-A-2 845 393 (C	C.W. VAWEL)				
	* Column 1, line line 59; exampl 3,6-14 *			,2,4		
	· .					HED (Int. Cl.4)
			4		C 10	М
INCO	MPLETE SEARCH					
The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims. Claims searched completely: 1, 2, 4 Claims searched incompletely: 8 Reason for the limitation of the search: Claim 8 is obscure in that it is not clear to what the specified percentages refer (even in consideration of page 9, lines 15-24, of the specification)						
	Place of search : Date of completion of the search		<u> </u>	Examiner		
	THE HAGUE' . 12-07-198		L989	FISCHER		
Y: p	CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle und E: earlier patent document document document of the same principle under the same pattern than the category after the filing date D: document cited in the L: document cited for ot the same pattern than the category and the same pattern than the category and the same pattern than the category after the filing date D: document cited for ot the same pattern than the category after the filing date C: earlier patent document after the filing date D: document cited in the category and countered than the category after the filing date C: earlier patent document after the filing date C: document cited in the conduction of the same patent document after the filing date C: earlier patent document after the filing				t, but publish pplication er reasons	ed on, or



CLAIMS INCURRING FEES					
The presen	t European patent application comprised at the time of filing more than ten claims.				
	All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.				
	Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.				
	namely claims:				
	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.				
X LA	CK OF UNITY OF INVENTION				
invention a	n Division considers that the present European patent application does not comply with the requirement of unity of and relates to several inventions or groups of inventions,				
namely:	aims 1,2,4				
3. Cl	aim 5				
4. Cl	aims 6,7,9,11,15				
	aims 10,12,13				
	र .				
	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.				
	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,				
	namely claims:				
X	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,				
	namely claims: 1,2,4				